CLAIM AMENDMENTS:

- 1. (withdrawn) An isolated nucleic acid molecule selected from the group consisting of:
- a) a nucleic acid molecule comprising a nucleotide sequence which is at least 45% identical to the nucleotide sequence of SEQ ID NO:1, 2, 14 or 15, the cDNA insert of the plasmid deposited with the ATCC as Accession Number 207180 or PTA-225, or a complement thereof;
- b) a nucleic acid molecule comprising a fragment of at least 300 nucleotides of the nucleotide sequence of SEQ ID NO:1, 2, 14 or 15, the cDNA insert of the plasmid deposited with the ATCC as Accession Number 207180 or PTA-225, or a complement thereof;
- c) a nucleic acid molecule which encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:3 or 16, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as Accession Number 207180 or PTA-225; and
- d) a nucleic acid molecule which encodes a fragment of a polypeptide comprising the amino acid sequence of SEQ ID NO:3 or 16, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as Accession Number 207180 or PTA-225, wherein the fragment comprises at least 15 contiguous amino acids of SEQ ID NO:3 or 16, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as Accession Number 207180 or PTA-225.
- 2. (withdrawn) The isolated nucleic acid molecule of claim 1, which is selected from the group consisting of:
- a) a nucleic acid comprising the nucleotide sequence of SEQ ID NO:1, 2, 14 or 15, the cDNA insert of the plasmid deposited with the ATCC as Accession Number 207180 or PTA-225, or a complement thereof; and
- b) a nucleic acid molecule which encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:3 or 16, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as Accession Number 207180 or PTA-225.

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- 3. (withdrawn) The nucleic acid molecule of claim 1 further comprising vector nucleic acid sequences
- 4. (withdrawn) The nucleic acid molecule of claim 1 further comprising nucleic acid sequences encoding a heterologous polypeptide.
 - 5. (withdrawn) A host cell which contains the nucleic acid molecule of claim 1.
 - 6. (withdrawn) The host cell of claim 5 which is a mammalian host cell.
- 7. (withdrawn) A non-human mammalian host cell containing the nucleic acid molecule of claim 1.
 - 8. (withdrawn) An isolated polypeptide selected from the group consisting of:
- a) a fragment of a polypeptide comprising the amino acid sequence of SEQ ID NO:3 or 16, wherein the fragment comprises at least 15 contiguous amino acids of SEQ ID NO:3 or 16;
- b) a naturally occurring allelic variant of a polypeptide comprising the amino acid sequence of SEQ ID NO:3 or 16, or the amino acid sequence encoded by the cDNA insert of plasmids deposited with the ATCC as Accession Number 207180 or PTA-225, wherein the polypeptide is encoded by a nucleic acid molecule which hybridizes to a nucleic acid molecule comprising SEQ ID NO:2 or 15, or a complement thereof under stringent conditions; and
- a polypeptide which is encoded by a nucleic acid molecule comprising a nucleotide sequence which is at least 45% identical to a nucleic acid comprising the nucleotide sequence of SEQ ID NO:2 or 15, or at least 98% to a nucleic acid comprising the nucleotide sequence of SEQ ID NO:2 or 15, or a complement thereof.
- 9. (withdrawn) The isolated polypeptide of claim 8 comprising the amino acid sequence of SEQ ID NO:3 or 16.

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- 10. (withdrawn) The polypeptide of claim 8 further comprising heterologous amino acid sequences.
 - 11. (withdrawn) An antibody which selectively binds to a polypeptide of claim 8.
- 12. (withdrawn) The antibody of claim 11, wherein the antibody is a monoclonal antibody.
- 13. (withdrawn) A method for producing a polypeptide selected from the group consisting of:
- a) a polypeptide comprising the amino acid sequence of SEQ ID NO:3 or 16, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as Accession Number 207180 or PTA-225,
- b) a polypeptide comprising a fragment of the amino acid sequence of SEQ ID NO:3 or 16, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as Accession Number 207180 or PTA-225, wherein the fragment comprises at least 15 contiguous amino acids of SEQ ID NO:3 or 16, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as Accession Number 207180 or PTA-225; and
- a naturally occurring allelic variant of a polypeptide comprising the amino acid sequence of SEQ ID NO:3 or 16, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as Accession Number 207180 or PTA-225, wherein the polypeptide is encoded by a nucleic acid molecule which hybridizes to a nucleic acid molecule comprising SEQ ID NO:1 or 14, or a complement thereof under stringent conditions;

comprising culturing the host cell of claim 5 under conditions in which the nucleic acid molecule is expressed.

14. (withdrawn) A method for detecting the presence of a polypeptide of claim 8 in a sample, comprising:

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- a) contacting the sample with a compound which selectively binds to a polypeptide of claim 8; and
 - b) determining whether the compound binds to the polypeptide in the sample.
- 15. (withdrawn) The method of claim 14, wherein the compound which binds to the polypeptide is an antibody.
- 16. (withdrawn) A kit comprising a compound which selectively binds to a polypeptide of claim 8 and instructions for use.
- 17. (withdrawn) A method for detecting the presence of a nucleic acid molecule of claim 1 in a sample, comprising the steps of:
- a) contacting the sample with a nucleic acid probe or primer which selectively hybridizes to the nucleic acid molecule; and
- b) determining whether the nucleic acid probe or primer binds to a nucleic acid molecule in the sample.
- 18. (withdrawn) The method of claim 17, wherein the sample comprises mRNA molecules and is contacted with a nucleic acid probe.
- 19. (withdrawn) A kit comprising a compound which selectively hybridizes to a nucleic acid molecule of claim 1 and instructions for use.
- 20. (withdrawn) A method for identifying a compound which binds to a polypeptide of claim 8 comprising the steps of:
- a) contacting a polypeptide, or a cell expressing a polypeptide of claim 8 with a test compound; and
 - b) determining whether the polypeptide binds to the test compound.

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- 21. (withdrawn) The method of claim 20, wherein the binding of the test compound to the polypeptide is detected by a method selected from the group consisting of:
 - a) detection of binding by direct detecting of test compound/polypeptide binding;
 - b) detection of binding using a competition binding assay;
 - c) detection of binding using an assay for TANGO 268-mediated signal transduction.
- 22. (withdrawn) A method for modulating the activity of a polypeptide of claim 8 comprising contacting a polypeptide or a cell expressing a polypeptide of claim 8 with a compound which binds to the polypeptide in a sufficient concentration to modulate the activity of the polypeptide.
- 23. (withdrawn) A method for identifying a compound which modulates the activity of a polypeptide of claim 8, comprising:
 - a) contacting a polypeptide of claim 8 with a test compound; and
- b) determining the effect of the test compound on the activity of the polypeptide to thereby identify a compound which modulates the activity of the polypeptide.

24-25. (canceled)

- 26. (previously presented) A substantially purified non-human antibody or fragment thereof which specifically binds to a polypeptide of the amino acid sequence of SEQ ID NO:3, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Accession Number 207180.
- 27. (previously presented) A substantially purified non-human monoclonal antibody or fragment thereof which specifically binds to a polypeptide of the amino acid sequence of SEQ ID NO:3, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Accession Number 207180.

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- 28. (previously presented) The antibody of claim 27 which is a humanized antibody.
- 29. (previously presented) A monoclonal antibody or fragment thereof which specifically binds to a polypeptide of the amino acid sequence of SEQ ID NO:3, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Accession Number 207180.

30-32 (canceled)

- 33. (previously presented) A monoclonal antibody or fragment thereof which specifically binds to a polypeptide of the amino acid sequence of SEQ ID NO:3, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Accession Number 207180, which antibody is conjugated to a therapeutic moiety.
- 34. (previously presented) A monoclonal antibody or fragment thereof which specifically binds to a polypeptide of the amino acid sequence of SEQ ID NO:3, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Accession Number 207180, which antibody is linked to a detectable substance.
- 35. (previously presented) The antibody of claim 34, wherein the detectable substance is selected from the group consisting of an enzyme, a prosthetic group, a fluorescent material, a luminescent material, a bioluminescent material, and a radioactive material.
- 36. (previously presented) A substantially purified antibody or a fragment thereof which specifically binds to an extracellular domain of the amino acid sequence of SEQ ID NO:3, wherein said antibody or fragment does not contain more than 30% of contaminating antibodies directed against epitopes other than those on the TANGO 268 polypeptide.

- 37. (amended) The antibody of claim 36, wherein the extracellular domain [comprises] consists of about amino acid residues 21 to 269 of SEQ ID NO:3.
- 38. (previously presented) The antibody of claim 36, wherein the extracellular domain comprises an immunoglobulin-like domain.
- 39. (amended) The antibody of claim 38, wherein the immunoglobulin-like domain [comprises] consists of about amino acid residues 48 to 88 or 134 to 180 of SEQ ID NO:3.
 - 40. (previously presented) The antibody of claim 36 which is a polyclonal antibody.
- 41. (amended) [The antibody of claim 36 which is] A substantially purified antibody which specifically binds to an extracellular domain of the amino acid sequence of SEO ID NO:3, wherein the antibody is a monoclonal antibody.
- 42. (amended) [The antibody of claim 36 which is] A substantially purified antibody which specifically binds to an extracellular domain of the amino acid sequence of SEQ ID NO:3, wherein the antibody is a chimeric antibody.
- 43. (amended) [The antibody of claim 36 which is] A substantially purified antibody which specifically binds to an extracellular domain of the amino acid sequence of SEO ID NO:3, wherein the antibody is a humanized antibody.
 - 44. (previously presented) The antibody of claim 36 which is a human antibody.
- 45. (previously presented) The antibody of claim 36 which is conjugated to a therapeutic moiety.

- 46. (previously presented) The antibody of claim 36 which is linked to a detectable substance.
- 47. (previously presented) The antibody of claim 46, wherein the detectable substance is selected from the group consisting of an enzyme, a prosthetic group, a fluorescent material, a luminescent material, a bioluminescent material, and a radioactive material.

48-52 (canceled)

- 53. (previously presented) A kit comprising an antibody or fragment thereof as in claim 34, and instructions for use.
- 54. (previously presented) A kit comprising an antibody or fragment thereof as in claim 46, and instructions for use.

55-64 (canceled)

- 65. (previously presented) A method of making an antibody that specifically recognizes GPVI, the method comprising:
- a) immunizing a mammal with a polypeptide comprising the amino acid sequence of SEQ ID NO:3, the amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Accession Number 207180; and
- b) collecting a sample from the mammal that contains an antibody that specifically recognizes GPVI.
- 66. (previously presented) The method of claim 65 wherein the polypeptide is recombinantly produced.

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- 67. (previously presented) The method of claim 65 which further comprises purifying antibodies from the sample.
- 68. (previously presented) The method of claim 65 which further comprises isolating a monoclonal antibody-producing cell from the mammal.
- 69. (previously presented) The method of claim 68 which further comprises collecting monoclonal antibodies which specifically recognize GPVI from the monoclonal antibody-producing cell.
- 70. (previously presented) The method of claim 65 wherein the antibody specifically binds to an extracellular domain of the amino acid sequence of SEQ ID NO:3.
- 71. (previously presented) A monoclonal antibody or fragment thereof which specifically binds to a polypeptide of the amino acid sequence of SEQ ID NO:3, or the amino acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as Accession Number 207180, wherein the antibody is a human, humanized or chimeric antibody.
- 72. (previously presented) The antibody of claim 71 which is conjugated to a therapeutic moiety.
- 73. (previously presented) The antibody of claim 71 which is linked to a detectable substance.
- 74. (amended) [The antibody of claim 73,] A monoclonal antibody or fragment thereof which is linked to a detectable substance [is] selected from the group consisting of an enzyme, a prosthetic group, a fluorescent material, a luminescent material, a bioluminescent material, and a radioactive material, and which specifically binds to:
 - a) a polypeptide of the amino acid sequence of SEQ ID NO:3; or

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| b) the amino acid sequence encoded by the cDNA insert of the plasmid deposited |
| with the ATCC as Accession Number 207180, |
| wherein the antibody is a human, humanized or chimeric antibody. |
| 75. (previously presented) A kit comprising an antibody or fragment thereof as in claim 26, 87, 88, 89 or 90, and instructions for use. |
| 76. (previously presented) A kit comprising an antibody or fragment thereof as in claim |
| 27, and instructions for use. |
| 77. (previously presented) A kit comprising an antibody or fragment thereof as in claim 29, and instructions for use. |
| 78. (amended) A kit comprising a monoclonal antibody or fragment thereof which |
| specifically binds to a polypeptide of the amino acid sequence of SEQ ID NO:3, or the amino |
| acid sequence encoded by the cDNA insert of the plasmid deposited with the ATCC as |
| Accession Number 207180, wherein the antibody is a human, humanized or chimeric antibody |
| [an antibody or fragment thereof as in claim 71], and instructions for use. |
| 79. (amended) A kit comprising [an antibody or fragment thereof as in claim 73] a monoclonal antibody or fragment thereof which is linked to a detectable substance, and which |
| specifically binds to: |
| a) a polypeptide of the amino acid sequence of SEO ID NO:3; or |
| b) the amino acid sequence encoded by the cDNA insert of the plasmid deposited |
| with the ATCC as Accession Number 207180, |
| wherein the antibody is a human, humanized or chimeric antibody, and instructions for |
| use. |
| 80-86 (canceled) |

- 87. (previously presented) The substantially purified non-human antibody of claim 26, wherein said antibody is at least 80% pure.
- 88. (previously presented) The substantially purified non-human antibody of claim 87, wherein said antibody is at least 90% pure.
- 89. (previously presented) The substantially purified non-human antibody of claim 88, wherein said antibody is at least 95% pure.
- 90. (previously presented) The substantially purified non-human antibody of claim 89, wherein said antibody is at least 99% pure.